DECION	TWDE	NAME	CALWATER	DOLL LITA NEW CERTICA OR	POTENTIAL	TMDL	ESTIMATED	PROPOSED TMDL
REGION			WATERSHED	POLLUTANT/STRESSOR*	SOURCES	PRIORITY	SIZE AFFECTED	COMPLETION
2	R	Alameda Creek	20430051	Diazinon This listing was made by USEPA	Urban Runoff/Storm Sewers	High	51 Miles	2004
2	R	Alamitos Creek	20540041	Mercury TMDL will be developed as part assessment is needed.	of the Santa Clara Basin Watersh Mine Tailings	Medium ed Management	7.1 Miles Initiative. Additional m	onitoring and
2	R	Arroyo Corte Madera Del Presidio	20320020	Diazinon This listing was made by USEPA		High	4 Miles	2004
2	R	Arroyo De La Laguna	20430084	Diazinon This listing was made by USEPA	Urban Runoff/Storm Sewers	High	7.4 Miles	2004
2	R	Arroyo Del Valle	20430023	Diazinon This listing was made by USEPA	Urban Runoff/Storm Sewers	High	31 Miles	2004
2	R	Arroyo Las Positas	20430080	Diazinon	Urban Runoff/Storm Sewers	High	14 Miles	2004
2	R	Arroyo Mocho	20430080	Diazinon	Urban Runoff/Storm Sewers	High	34 Miles	2004
2	R	Butano Creek	20240031	Sedimentation/Siltation Impairment to steelhead habitat.	Nonpoint Source	Medium	3.6 Miles	
2	R	Calabazas Creek	20640012	Diazinon This listing was made by USEPA	Urban Runoff/Storm Sewers	High	4.7 Miles	2004

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REGION T	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMI COMPLETION
2	L	Calero Reservoir	20540031					
				Mercury		Medium	334 Acres	
				TMDL will be developed as par assessment is needed.	t of the Santa Clara Basin W	atershed Management	Initiative. Additional n	nonitoring and
					Surface Mining			
					Mine Tailings			
2	E	Carquinez Strait	20710020					
		•		Chlordane		Low	5657 Acres	
				This listing was made by USEP.	<i>A</i> .			
					Nonpoint Source			
				DDT		Low	5657 Acres	
					Nonpoint Source			
				Diazinon	•	Low	5657 Acres	
				Diazinon levels cause water col	umn toxicity. Two patterns:	pulses through riverine	systems linked to agric	cultural
				application in late winter and p early summer. Chlorpyrifos ma	ulse from residential land us	e areas linked to homed	owner pesticide use in l	
					Nonpoint Source			
				Dieldrin		Low	5657 Acres	
				This listing was made by USEP.	<i>A</i> .			
					Nonpoint Source			
				Dioxin Compounds		Low	5657 Acres	
				The specific compounds are 2,3 HxCDD, 1,2,3,4,6,7,8-HpCDD,			1,2,3,6,7,8-HxCDD, 1,	2,3,7,8,9-
					Atmospheric Deposition			
				Exotic Species		Medium	5657 Acres	
				Disrupt natural benthos; chang	e pollutant availability in foo	od chain; disrupt food a	vailability to native spe	ecies.
					Ballast Water			
				Furan Compounds		Low	5657 Acres	
				The specific compounds are 2,3 HxCDF, 1,2,3,7,8,9-HxCDF, 2, was made by USEPA.				
				·	Atmospheric Deposition			
				Mercury	- *	High	5657 Acres	2003
				Current data indicate fish consu sediments and local mercury mi moderate to low level inputs fro	ining; most significant ongoi			0
					Industrial Point Sources			
					Municipal Point Sources	;		
					Resource Extraction			
					Atmospheric Deposition			
					Natural Sources			
					Nonpoint Source			

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMA SIZE AFFE		PROPOSED TMDL COMPLETION
			PCBs		High	5657	Acres	2004
			This listing covers non dioxin-laconcentration data.	ike PCBs.Interim health advisory j	for fish; uncertain	ty regarding w	ater colu	mn
				Unknown Nonpoint Source				
			PCBs (dioxin-like)		Low		Acres	
			(169), 2,3,3,4,4-PeCB (105), 2,	ands are 3,4,4,5-TCB (81), 3,3,3,3 3,4,4,5-PeCB (114), 2,3,4,4,5-PeC 4,5,5,-HxCB (167), 2,3,3,4,4,5,5-H ₂	CB (118), 2,3,4,4,5	-PeCB (123), 2	2,3,3,4,4,5	5-HxCB (156),
				Unknown Nonpoint Source				
			Selenium		Low	5657	Acres	
			contributions from oil refinerie species may have made food ch	e food chain; most sensitive indica s (control program in place) and a ain more susceptible to accumula cks); low TMDL priority because	agriculture (carrie tion of selenium; h	d downstream nealth consump	by rivers, tion advi); exotic
				Industrial Point Sources				
				Agriculture				
2 B	Central Basin, San Francisco (part of SF Bay, Central)	20440010						
			Chlordane		Low	40	Acres	
			This listing was made by USEP					
			DDT	Nonpoint Source		40		
			DDT	14	Low	40	Acres	
			This listing was made by USEP	A. Nonpoint Source				
			Diazinon	Nonpoint Source	Low	40	Acres	
			Diazinon levels cause water co application in late winter and p	lumn toxicity. Two patterns: pulse pulse from residential land use are ny also be the cause of toxicity; mo	es through riverine as linked to home	e systems linked owner pesticide	d to agric	
				Nonpoint Source				
			Dieldrin		Low	40	Acres	
			This listing was made by USEP					
			D	Nonpoint Source				
			Dioxin Compounds	170 TCDD 13370 D CDD 14	Low		Acres	2.7.0.0
			1 0 1	3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2 and OCDD. This listing was made		1,2,5,0,/,8-Hx	CDD, I, I	¢, ɔ ,/,ð,y-
			Exotic Species	Atmospheric Deposition	Medium	40	Acres	
			•	ge pollutant availability in food ch				cies
			Distript natural beninos, chang	Ballast Water	am, aisrapi jood d	ι ταιιασιιιί μο Π	unve spe	0100.
				Danast Watti				

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CALWATER ESTIMATED PROPOSED TMDI **POTENTIAL TMDL** REGION TYPE **NAME** WATERSHED POLLUTANT/STRESSOR* **SOURCES PRIORITY** SIZE AFFECTED COMPLETION **Furan Compounds** Low 40 Acres The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA. **Atmospheric Deposition** Mercury High 40 Acres 2003 Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources. **Industrial Point Sources Minor Industrial Point Source Municipal Point Sources Resource Extraction Atmospheric Deposition Natural Sources Nonpoint Source** Mercury (sediment) Low 40 Acres **Urban Runoff/Storm Sewers Point Source** PAHs (sediment) Low 40 Acres **Urban Runoff/Storm Sewers Point Source PCBs** High 40 Acres 2004 This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data. **Unknown Nonpoint Source** PCBs (dioxin-like) Low 40 Acres The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5,-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA. **Unknown Nonpoint Source** Selenium 40 Acres Affected use is one branch of the food chain: most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect

for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.

Industrial Point Sources Agriculture

Natural Sources Exotic Species

REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES		TIMATED AFFECTED	PROPOSED TMDL COMPLETION
2	R	Corte Madera Creek	20320011	Diazinon This listing was made by USEPA.		High	4.1 Miles	2004
					Urban Runoff/Storm Sewers			
2	R	Coyote Creek (Marin County)	20320020	Diazinon This listing was made by USEPA.		High	2.6 Miles	2004
					Urban Runoff/Storm Sewers			
2	R	Coyote Creek (Santa Clara Co.)	20530021	Diazinon This listing was made by USEPA.	Urban Runoff/Storm Sewers	High	55 Miles	2004
2	D	C.B. C. I	20/20012		Orban Kunon/Storm Sewers			
2	R	Gallinas Creek	20620013	Diazinon This listing was made by USEPA.		High	2.1 Miles	2004
					Urban Runoff/Storm Sewers			
2	R	Guadalupe Creek	20540050	Mercury TMDL will be developed as part assessment is needed.	of the Santa Clara Basin Watershed Mine Tailings	Medium Management Initiativ	8.1 Miles e. Additional m	onitoring and
2	L	Guadalupe Reservoir	20540040		Nime runings			
2	L	Guauaiupe Reservoir	20540040	Mercury TMDL will be developed as part assessment is needed.	of the Santa Clara Basin Watershed	Medium Management Initiativ	63 Acres e. Additional m	onitoring and
					Surface Mining Mine Tailings			
2	R	Guadalupe River	20540050		rame ramings			
2	K	Guauaiupe River	20540050	Diazinon This listing was made by USEPA.		High	18 Miles	2004
				Mercury	Urban Runoff/Storm Sewers	Medium	18 Miles	
				•	of the Santa Clara Basin Watershed			onitoring and
					Mine Tailings			
2	E	Islais Creek	20440010	Ammonia	V 1 4:10:46	Low	46 Acres	
					Industrial Point Sources Combined Sewer Overflow			

REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Chlordane (sediment)		Low	46 Acres	
				Dieldrin (sediment)	Industrial Point Sources Combined Sewer Overflow	Low	46 Acres	
					Industrial Point Sources Combined Sewer Overflow		46. A	
				Endosulfan sulfate (sediment)	Industrial Point Sources Combined Sewer Overflow	Low	46 Acres	
				Hydrogen Sulfide	Industrial Point Sources	Low	46 Acres	
				PAHs (sediment)	Combined Sewer Overflow	Low	46 Acres	
				PCBs (sediment)	Industrial Point Sources Combined Sewer Overflow	Low	46 Acres	
				, ,	Industrial Point Sources Combined Sewer Overflow			
2	R	Lagunitas Creek	20113020					
				Nutrients Tributary to Tomales Bay. TM. monitoring and assessment nee	DLs will be developed as part of evo ded.	Low olving watershed	17 Miles management effort. Ad	lditional
					Agriculture			
				Pathogens	Urban Runoff/Storm Sewers	Low	17 Miles	
				· ·				lditional
					Agriculture Urban Runoff/Storm Sewers			
				Sedimentation/Siltation		Medium	17 Miles	
				Tributary to Tomales Bay. TM monitoring and assessment nee		olving watershed	management effort. Ad	lditional
					Agriculture Urban Runoff/Storm Sewers			
2	L	Lake Herman	20721030	Mercury Additional monitoring and asse	essment needed. Problem due to his	Low	108 Acres	
				und usse	Surface Mining	was mining.		

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REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	L	Lake Merritt	20420040	Trash	Urban Runoff/Storm Sewers	Low	142 Acres	
2	R	Laurel Creek (Solano Co)	20440040	Diazinon This listing was made by USEPA	í. Urban Runoff/Storm Sewers	High	3 Miles	2004
2	R	Ledgewood Creek	20723010	Diazinon This listing was made by USEPA	i. Urban Runoff/Storm Sewers	High	12 Miles	2004
2	R	Los Gatos Creek (R2)	20540011	Diazinon This listing was made by USEPA	l. Urban Runoff/Storm Sewers	High	19 Miles	2004
2	E	Marina Lagoon (San Mateo County)	20440040	High Coliform Count	Urban Runoff/Storm Sewers Nonpoint Source	Low	169 Acres	
2	R	Matadero Creek	20550040	Diazinon This listing was made by USEPA	l. Urban Runoff/Storm Sewers	High	7.3 Miles	2004
2	R	Miller Creek	20620012	Diazinon This listing was made by USEPA	l. Urban Runoff/Storm Sewers	High	9 Miles	2004
2	E	Mission Creek	20440010	Ammonia	Industrial Point Sources Combined Sewer Overflow	Low	8.5 Acres	
				Chlorovrifos (sediment)	Industrial Point Sources Combined Sewer Overflow	Low Low	8.5 Acres	
				Chlorpyrifos (sediment)	Industrial Point Sources Combined Sewer Overflow	LOW	8.5 Acres	

REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			Chromium (sediment)		Low	8.5 Acres	
			Copper (sediment)	Industrial Point Sources Combined Sewer Overflow	Low	8.5 Acres	
			coppor (seamons)	Industrial Point Sources Combined Sewer Overflow	Low	olo ricies	
			Dieldrin (sediment)	Industrial Point Sources	Low	8.5 Acres	
			Hydrogen Sulfide	Combined Sewer Overflow Industrial Point Sources	Low	8.5 Acres	
			Lead (sediment)	Combined Sewer Overflow	Low	8.5 Acres	
			M (P)	Industrial Point Sources Combined Sewer Overflow	T	0.5. 4	
			Mercury (sediment)	Industrial Point Sources Combined Sewer Overflow	Low	8.5 Acres	
			Mirex (sediment)	Industrial Point Sources	Low	8.5 Acres	
			PAHs	Combined Sewer Overflow Industrial Point Sources	Low	8.5 Acres	
			PCBs (sediment)	Combined Sewer Overflow	Low	8.5 Acres	
			Silver (sediment)	Industrial Point Sources Combined Sewer Overflow	Low	8.5 Acres	
			Sirver (seminent)	Industrial Point Sources Combined Sewer Overflow	LUW	o.s Acres	
			Zinc (sediment)	Industrial Point Sources Combined Sewer Overflow	Low	8.5 Acres	
2 R	Mt. Diablo Creek	20731040	Diazinon	Combined Sewer Overnow	High	13 Miles	2004
			This listing was made by USEPA	f. Urban Runoff/Storm Sewers	8		

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	Napa River	20650010					
				Nutrients		Medium	65 Miles	
				TMDL will be developed as part needed.	t of ongoing watershed management	t effort. Additio	nal monitoring and asse	essment
					Agriculture	_		
				Pathogens TMDL will be developed as name	t of our cine wateral od man areas ou	Low	65 Miles	
				needed.	t of ongoing watershed management	едјон. Ааано	nai monitoring ana asse	essment
					Agriculture			
				Sedimentation/Siltation	Urban Runoff/Storm Sewers	Medium	65 Miles	
					t of ongoing watershed management			essment
				пееиеи.	Agriculture			
					Construction/Land Developmen	nt		
					Land Development			
					Urban Runoff/Storm Sewers			
2	R	Novato Creek	20620010					
				Diazinon		High	17 Miles	2004
				This listing was made by USEP	4. Urban Runoff/Storm Sewers			
					Orban Kunon/Storm Sewers			
2	В	Oakland Inner Harbor (Fruitvale Site, part of SF Bay, Central)	20420040					
				Chlordane		Low	0.93 Acres	
				This listing was made by USEP	4. Nonpoint Source			
				Chlordane (sediment)	Nonpoint Source	Low	0.93 Acres	
				,	Source Unknown			
				DDT		Low	0.93 Acres	
				This listing was made by USEPA	4.			
					Nonpoint Source			
				Diazinon		Low	0.93 Acres	1. 1
				application in late winter and p	umn toxicity. Two patterns: pulses t ulse from residential land use areas y also be the cause of toxicity; more	linked to home	owner pesticide use in la	
					Nonpoint Source			
				Dieldrin		Low	0.93 Acres	
				This listing was made by USEPA				
					Nonpoint Source			

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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DECION TYPE	NIAME	CALWATER WATERSHED BOLLUTANT/CTDESCOD:	POTENTIAL	TMDL	ESTIMATED	PROPOSED TMDL
REGION TYPE	NAME	WATERSHED POLLUTANT/STRESSOR*	SOURCES	PRIORITY	SIZE AFFECTED	COMPLETION

Dioxin Compounds

Low

0.93 Acres

The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.

Atmospheric Deposition

Exotic Species

Medium

0.93 Acres

Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.

Ballast Water

Furan Compounds

Low

0.93 Acres

The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.

Atmospheric Deposition

Mercury

High

0.93 Acres

2003

2004

Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.

Industrial Point Sources Municipal Point Sources Resource Extraction Atmospheric Deposition Natural Sources Nonpoint Source

PCBs High 0.93 Acres

This listing covers non dioxin-like PCBs.Interim health advisory for fish; uncertainty regarding water column concentration data.

Unknown Nonpoint Source

PCBs (dioxin-like)

Low

0.93 Acres

The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HyCB (189). This listing was made by USEPA.

Unknown Nonpoint Source

PCBs (sediment)

Low

0.93 Acres

Source Unknown

Selenium

Low

0.93 Acres

Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.

Industrial Point Sources

Agriculture
Natural Sources
Exotic Species

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	В	Oakland Inner Harbor (Pacific Dry-dock Yard 1 Site, part of SF Bay, Central)	20420040					
				Chlordane		Low	1.8 Acres	
				This listing was made by USEPA				
					Nonpoint Source			
				Chlordane (sediment)		Low	1.8 Acres	
					Source Unknown			
				Chlorpyrifos (sediment)		Low	1.8 Acres	
					Source Unknown			
				Copper (sediment)		Low	1.8 Acres	
					Source Unknown			
				DDT		Low	1.8 Acres	
				This listing was made by USEPA				
				ý	Nonpoint Source			
				Diazinon		Low	1.8 Acres	
				Diazinon levels cause water colu application in late winter and pu early summer. Chlorpyrifos may	lse from residential land use are	as linked to home	owner pesticide use in l	
					Nonpoint Source			
				Dieldrin		Low	1.8 Acres	
				This listing was made by USEPA	•			
					Nonpoint Source			
				Dieldrin (sediment)		Low	1.8 Acres	
					Source Unknown			
				Dioxin Compounds		Low	1.8 Acres	
				The specific compounds are 2,3,7 HxCDD, 1,2,3,4,6,7,8-HpCDD, a			1,2,3,6,7,8-HxCDD, 1,.	2,3,7,8,9-
					Atmospheric Deposition			
				Exotic Species		Medium	1.8 Acres	
				Disrupt natural benthos; change		ain; disrupt food a	vailability to native spe	ecies.
					Ballast Water	_		
				Furan Compounds		Low	1.8 Acres	
				The specific compounds are 2,3,7 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-I by USEPA.				
					Atmospheric Deposition			
				Lead (sediment)		Low	1.8 Acres	
					Source Unknown			

January 13, 2003

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TM COMPLETION
			Mercury		High	1.8 Acres	2003
			for multiple fish species includ	sumption and wildlife consumption ling striped bass and shark. Majon ant ongoing source is erosion and	r source is historic	: gold mining sediment	s and local
			1 0 1	Industrial Point Sources			
				Municipal Point Sources			
				Resource Extraction			
				Atmospheric Deposition			
				Natural Sources			
				Nonpoint Source			
			Mercury (sediment)		Low	1.8 Acres	
				Source Unknown			
			Mirex (sediment)		Low	1.8 Acres	
			win on (seamlene)	Common Holomorous	20	110 110105	
			DATE (P. O	Source Unknown	Ψ.	10.4	
			PAHs (sediment)		Low	1.8 Acres	
				Source Unknown			
			PCBs		High	1.8 Acres	2004
			This listing covers non dioxin- concentration data.	like PCBs.Interim health advisory	for fish; uncertain	ty regarding water colu	mn
				Unknown Nonpoint Source			
			PCBs (dioxin-like)		Low	1.8 Acres	
			(169), 2,3,3,4,4-PeCB (105), 2	unds are 3,4,4,5-TCB (81), 3,3,3,3 ,3,4,4,5-PeCB (114), 2,3,4,4,5-PeC 4,5,5,-HxCB (167), 2,3,3,4,4,5,5-E	CB (118), 2,3,4,4,5	i-PeCB (123), 2,3,3,4,4,	5-HxCB (156),
				Unknown Nonpoint Source			
			PCBs (sediment)		Low	1.8 Acres	
				Source Unknown			
			ppDDE (sediment)		Low	1.8 Acres	
				Source Unknown			
			Selenium	source changwin	Low	1.8 Acres	
			Affected use is one branch of the contributions from oil refineries species may have made food cl	he food chain; most sensitive indic es (control program in place) and hain more susceptible to accumula ucks); low TMDL priority because Industrial Point Sources Agriculture	ator is hatchabilit agriculture (carrie ttion of selenium; l	y in nesting diving birds ed downstream by rivers health consumption adv	; exotic
				Natural Sources			
				Exotic Species			
			Tributyltin (sediment)	-	Low	1.8 Acres	
				Source Unknown			

								DIMITI
REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Zinc (sediment)		Low	1.8 Acres	
					Source Unknown			
2	C	Pacific Ocean at Fitzgerald Marine Reserve	20221012					
				High Coliform Count		Low	0.46 Miles	
					Nonpoint Source			
2	C	Pacific Ocean at Pacifica State Beach	20221011					
				High Coliform Count		Low	0.87 Miles	
				Linda Mar and San Pedro beach	nes are the areas affected. Urban Runoff/Storm Sewers			
					Nonpoint Source			
2	C	Pacific Ocean at Pillar Point Beach	20221012		Toponic Source			
2	C	Tachic Ocean at I mai I onit Beach	20221012	High Coliform Count		Low	1.1 Miles	
				•	Nonpoint Source			
2	С	Pacific Ocean at Rockaway Beach	20221011					
_	-			High Coliform Count		Low	0.29 Miles	
					Urban Runoff/Storm Sewers			
					Nonpoint Source			
2	C	Pacific Ocean at Venice Beach	20222011					
				High Coliform Count		Low	0.38 Miles	
					Nonpoint Source			
2	R	Permanente Creek	20550021					
				Diazinon		High	13 Miles	2004
				This listing was made by USEPA	Urban Runoff/Storm Sewers			
2	D	Pescadero Creek	20240012		Orban Kunon/Storm Sewers			
2	R	rescauero Creek	20240013	Sedimentation/Siltation		Medium	26 Miles	
				Impairment to steelhead habitat.				
					Nonpoint Source			
2	R	Petaluma River	20630020					
				Diazinon		Low	22 Miles	
				Data source: Abelli-Amen, Petal				
					Urban Runoff/Storm Sewers			

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

	NAME	WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			Nutrients		Medium	22 Miles	
			TMDL will be developed as para needed.	of ongoing watershed management	effort. Additio	nal monitoring and asse	essment
				Agriculture			
				Construction/Land Developmen	ıt		
			D-41	Urban Runoff/Storm Sewers	Medium	22 Miles	
			Pathogens TMDL will be developed as paraneeded.	of ongoing watershed management			essment
				Agriculture			
				Construction/Land Developmen	ıt		
				Urban Runoff/Storm Sewers			
			Sedimentation/Siltation		Medium	22 Miles	
				Agriculture			
				Construction/Land Developmen	ıt		
				Urban Runoff/Storm Sewers			
2 R Peta	luma River (tidal portion)	20630040					
			Diazinon		Low	1.1 Miles	
			Data source: Abelli-Amen, Peta				
			NY 1 1	Urban Runoff/Storm Sewers	-	11 369	
			Nickel	Dula diagoluad auitania and Nationa	Low	1.1 Miles	tou and
			sediment tissue levels.	Rule dissolved criteria and Nationa	i Toxic Ruie tot	ai criteria; etevatea wat	er ana
				Municipal Point Sources			
				Urban Runoff/Storm Sewers Atmospheric Deposition			
			Nutrients		Medium	1.1 Miles	
			TMDL will be developed as part needed.	of ongoing watershed management	effort. Additio	nal monitoring and asse	essment
				Agriculture			
				Construction/Land Developmen	ıt		
				Urban Runoff/Storm Sewers			
			Pathogens TMDL will be developed as paraneeded.	of ongoing watershed management	Medium effort. Additio	1.1 Miles nal monitoring and asse	essment
				Agriculture			
				Construction/Land Developmen	ıt		
				Urban Runoff/Storm Sewers			

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REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTE	PROPOSED TMDL D COMPLETION
2	R	Pine Creek (Contra Costa Co)	20731040	Diazinon This listing was made by USEPA	Urban Runoff/Storm Sewers	High	13 Mile	es 2004
2	R	Pinole Creek	20660020		CIDAN ITALION SCOTIN SCOTO			
2	K	rinoie Creek	20000020	Diazinon		High	9.2 Mile	es 2004
				This listing was made by USEPA		g	7.2 NIII	2001
				o ,	Urban Runoff/Storm Sewers			
2	R	Pomponio Creek	20240020					
				High Coliform Count		Low	7.1 Mile	es
					Nonpoint Source			
2	В	Richardson Bay	20312010					
-	_	Themat about Day	20012010	Chlordane		Low	2439 Acre	es
				This listing was made by USEPA				
					Nonpoint Source			
				DDT		Low	2439 Acre	es
				This listing was made by USEPA				
				Dieldrin	Nonpoint Source	Low	2439 Acre	ac.
				This listing was made by USEPA		Low	243) ACIE	5 5
				This tisting was made by CSEI II	Unknown Nonpoint Source			
				Dioxin Compounds	•	Low	2439 Acre	es
				The specific compounds are 2,3,7 HxCDD, 1,2,3,4,6,7,8-HpCDD, c	ě		1,2,3,6,7,8-HxCDD	, 1,2,3,7,8,9-
				T	Atmospheric Deposition	34 1	2420 4	
				Exotic Species Disrupt natural benthos; change	nollutant availability in food cha	Medium	2439 Acre	
				Disrupi naturat beninos, change	Ballast Water	in, aisrupi jood t	ivanaonny to nanve	species.
				Furan Compounds		Low	2439 Acre	es
				The specific compounds are 2,3,7 HxCDF, 1,2,3,7,8,9-HxCDF, 2,3, was made by USEPA.	7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3, ,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-H ₄	4,7,8-PeCDF, 1,2 CDF, 1,2,3,4,7,8	2,3,4,7,8-HxCDF, 1,. 8,9-HpCDF, and OC	2,3,6, 7,8,- DF. This listing
					Atmospheric Deposition			
				High Coliform Count		Low	2439 Acre	
				Affected area, Waldo Point Harb sewage systems in some housebo improvements.				
				4	Urban Runoff/Storm Sewers			
					a			

Urban Runott/Storm Sewers
Septage Disposal
Boat Discharges/Vessel Wastes

January 13, 2003

REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Mercury		High	2439 Acres	2003
				for multiple fish species includi	umption and wildlife consumption ing striped bass and shark. Majo unt ongoing source is erosion and	r source is historic:	gold mining sediment	s and local
					Municipal Point Sources Resource Extraction			
					Atmospheric Deposition			
					Natural Sources			
					Nonpoint Source			
				PCBs		High	2439 Acres	2004
				This listing covers non dioxin-l concentration data.	like PCBs. Interim health advisory	for fish; uncertain	ty regarding water coli	umn
					Unknown Nonpoint Source			
				PCBs (dioxin-like)		Low	2439 Acres	
				(169), 2,3,3,4,4-PeCB (105), 2,	ınds are 3,4,4,5-TCB (81), 3,3,3,3 3,4,4,5-PeCB (114), 2,3,4,4,5-Pe\ 4,5,5,-HxCB (167), 2,3,3,4,4,5,5-F	CB (118), 2,3,4,4,5	-PeCB (123), 2,3,3,4,4,	5-HxCB (156),
					Unknown Nonpoint Source			
2	R	Rodeo Creek	20660022					
				Diazinon		High	8 Miles	2004
				This listing was made by USEF				
					Urban Runoff/Storm Sewers	3		
2	E	Sacramento San Joaquin Delta	20710010					
				Chlordane		Low	41736 Acres	
				This listing was made by USEF				
				DDT	Nonpoint Source	T	41736 Acres	
					0.4	Low	41/30 Acres	
				This listing was made by USEF	Nonpoint Source			
				Diazinon	Nonpoint Source	Low	41736 Acres	
				application in late winter and p	lumn toxicity. Two patterns: puls oulse from residential land use are ay also be the cause of toxicity; m Nonpoint Source	eas linked to homed	wner pesticide use in l	
				Dieldrin		Low	41736 Acres	
				This listing was made by USEF	PA.			
				•	Nonpoint Source			
				Dioxin Compounds		Low	41736 Acres	
				The specific compounds are 2,3	2 7 9 TCDD 1 2 2 7 9 PaCDD 1	2 2 4 7 8 HvCDD	1 2 3 6 7 8-HyCDD 1	2 3 7 8 0-
					, and OCDD. This listing was ma		1,2,3,0,7,0-11xCDD, 1,2	2,3,7,0,7-

January 13, 2003

REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			Exotic Species		Medium	41736 Acres	
			Disrupt natural benthos; chang	e pollutant availability in food cha	in; disrupt food d	availability to native spe	cies.
				Ballast Water			
			Furan Compounds		Low	41736 Acres	
				,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3, 3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-H _I			
				Atmospheric Deposition			
			Mercury		High	41736 Acres	2003
			v	umption and wildlife consumption ining; most significant ongoing sou m point sources.		•	0
				Industrial Point Sources			
				Municipal Point Sources			
				Resource Extraction			
				Atmospheric Deposition			
			PCBs	Nonpoint Source	High	41736 Acres	2004
				ike PCBs.Interim health advisory f	8		
				Unknown Nonpoint Source			
			PCBs (dioxin-like)		Low	41736 Acres	
			(169), 2,3,3,4,4-PeCB (105), 2,.	nds are 3,4,4,5-TCB (81), 3,3,3,3- 3,4,4,5-PeCB (114), 2,3,4,4,5-PeC ,5,5,-HxCB (167), 2,3,3,4,4,5,5-H _I	B (118), 2,3,4,4,5	-PeCB (123), 2,3,3,4,4,5	5-HxCB (156),
				Unknown Nonpoint Source			
			contributions from oil refineries species may have made food ch	e food chain; most sensitive indica s (control program in place) and a ain more susceptible to accumulat cks); low TMDL priority because l	griculture (carrie ion of selenium; l	ed downstream by rivers, health consumption advi); exotic sory in effect
				Industrial Point Sources Agriculture			
				Natural Sources			
				Exotic Species			
2 R	San Antonio Creek (Marin/Sonoma Co	20630031					
	•		Diazinon		High	18 Miles	2004
			This listing was made by USEP.	А.			
				Urban Runoff/Storm Sewers			

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

			<u> </u>					DRAF
REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	San Felipe Creek	20530041					
				Diazinon		High	15 Miles	2004
				This listing was made by USEPA	1.			
					Urban Runoff/Storm Sewer	·s		
2	В	San Francisco Bay, Central	20312010					
				Chlordane		Low	70992 Acres	
				This listing was made by USEPA	1.			
				,	Nonpoint Source			
				DDT		Low	70992 Acres	
				This listing was made by USEPA	1.			
					Nonpoint Source			
				Diazinon		Low	70992 Acres	
				Diazinon levels cause water colo application in late winter and pu early summer. Chlorpyrifos ma	ılse from residential land use a	reas linked to home	owner pesticide use in l	
					Nonpoint Source			
				Dieldrin		Low	70992 Acres	
				This listing was made by USEPA	1.			
					Nonpoint Source			
				Dioxin Compounds		Low	70992 Acres	
				The specific compounds are 2,3, HxCDD, 1,2,3,4,6,7,8-HpCDD,	and OCDD. This listing was m		1,2,3,6,7,8-HxCDD, 1,	2,3,7,8,9-
				7	Atmospheric Deposition	** **	- 0000	
				Exotic Species	11	Medium	70992 Acres	
				Disrupt natural benthos; change		rnain; aisrupt jooa c	ivailability to native spe	ecies.
				Furan Compounds	Ballast Water	Low	70992 Acres	
				The specific compounds are 2,3, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-by USEPA.		,3,4,7,8-PeCDF, 1,2	2,3,4,7,8-HxCDF, 1,2,3	
				•	Atmospheric Deposition			
				Mercury		High	70992 Acres	2003
				Current data indicate fish consu for multiple fish species includin mercury mining; most significan inputs from point sources.	g striped bass and shark. Majo	or source is historic	: gold mining sediment	s and local
					Industrial Point Sources			
					Municipal Point Sources			
					Resource Extraction			
					Atmospheric Deposition			
					Natural Sources			
					Nonpoint Source			

January 13, 2003

REGION TYPE NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
		PCBs		High	70992 Acres	2004
		This listing covers non dioxin-liconcentration data.	like PCBs.Interim health advisory fo	r fish; uncertaint	ty regarding water coli	ımn
			Unknown Nonpoint Source			
		PCBs (dioxin-like)		Low	70992 Acres	
		(169), 2,3,3,4,4-PeCB (105), 2,	unds are 3,4,4,5-TCB (81), 3,3,3,3-T ,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB 4,5,5,-HxCB (167), 2,3,3,4,4,5,5-HpC	3 (118), 2,3,4,4,5-	-PeCB (123), 2,3,3,4,4,	,5-HxCB (156),
			Unknown Nonpoint Source			
		Selenium		Low	70992 Acres	
		contributions from oil refinerie species may have made food ch	he food chain; most sensitive indicates (control program in place) and aghain more susceptible to accumulatioucks); low TMDL priority because In Industrial Point Sources Agriculture Natural Sources Exotic Species	riculture (carried on of selenium; h	d downstream by rivers ealth consumption adv	s); exotic
2 B San Francisco Bay, Lower	20410010		·			
2 D San Flancisco Day, Lower	20410010	Chlordane		Low	79293 Acres	
		This listing was made by USEF	PA.	20	.,_,,	
		J,	Nonpoint Source			
		DDT		Low	79293 Acres	
		This listing was made by USEF	PA.			
			Nonpoint Source			
		Diazinon		Low	79293 Acres	
		application in late winter and p	olumn toxicity. Two patterns: pulses pulse from residential land use areas ay also be the cause of toxicity; more	s linked to homeo	owner pesticide use in l	
			Nonpoint Source			
		Dieldrin		Low	79293 Acres	
		This listing was made by USEF				
		Diamin C	Nonpoint Source	Y	#0303 <i>*</i>	
		Dioxin Compounds	270 TCDD 12270 D CDD 12	Low	79293 Acres	22700
		1 0 1	3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,2,2,2,3,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4		1,2,3,0,/,8-HxCDD, I	,∠,3,/,8,9-
		Evatic Species	Atmospheric Deposition	Medium	79293 Acres	
		Exotic Species Disrupt natural benthos: chans	ge pollutant availability in food chai			zcies
		Disrupt natural ventnos; chan $_{\epsilon}$	Ballast Water	п, шышрі 100а а	ланаонну ю нануе sp	ccies.

January 13, 2003

REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMA' SIZE AFFE		PROPOSED TMDL COMPLETION
			Furan Compounds		Low	79293		
				7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCD				
				Atmospheric Deposition				
			Mercury		High	79293		2003
			for multiple fish species includir mercury mining; most significar	umption and wildlife consumption imp ng striped bass and shark. Major sou nt ongoing source is erosion and drain or quality objective exceedances. Elev	ırce is historic: nage from aban	gold mining doned mines;	sediments moderate	and local to low level
				Industrial Point Sources				
				Municipal Point Sources				
				Resource Extraction Atmospheric Deposition				
				Natural Sources				
				Nonpoint Source				
			PCBs	•	High	79293	Acres	2004
			This listing covers non dioxin-li concentration data.	ke PCBs.Interim health advisory for f	îsh; uncertainty	regarding wo	ater colun	nn
			/	Unknown Nonpoint Source				
			PCBs (dioxin-like)	1 2 4 4 5 TCD (01) 2 2 2 2 TC	Low	79293		4 II CD
			(169), 2,3,3,4,4-PeCB (105), 2,3	nds are 3,4,4,5-TCB (81), 3,3,3,3-TCI 3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (1 5,5,-HxCB (167), 2,3,3,4,4,5,5-HpCE	118), 2,3,4,4,5-1	PeCB (123), 2	,3,3,4,4,5	-HxCB (156),
				Unknown Nonpoint Source				
2 B San F	rancisco Bay, South	20510000						
			Chlordane		Low	21669	Acres	
			This listing was made by USEP.	4.				
				Nonpoint Source	_			
			DDT	,	Low	21669	Acres	
			This listing was made by USEP.					
			Diazinon	Nonpoint Source	Low	21669	Acres	
			Diazinon levels cause water col application in late winter and pa	umn toxicity. Two patterns: pulses th ulse from residential land use areas li	rough riverine . inked to homeov	systems linked vner pesticide	l to agrici	
			earty summer. Untorpyrijos ma	y also be the cause of toxicity; more a Nonpoint Source	ши пееиеи, по	wever.		
			Dieldrin	Trompoint Bouree	Low	21669	Acres	
			This listing was made by USEP.	4.				
			- ·	Nonpoint Source				

January 13, 2003

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REGION TYPI	E NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			Dioxin Compounds		Low	21669 Acres	
			1 0 1	3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2 and OCDD. This listing was mad		1,2,3,6,7,8-HxCDD,	1,2,3,7,8,9-
				Atmospheric Deposition			
			Exotic Species		Medium	21669 Acres	
			Disrupt natural benthos; chang	e pollutant availability in food ch	ain; disrupt food a	vailability to native sp	pecies.
				Ballast Water			
			Furan Compounds		Low	21669 Acres	
				7,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3 -HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,			
				Atmospheric Deposition			
			Mercury		High	21669 Acres	
			for multiple fish species includi mercury mining; most significa inputs from point sources: wate	umption and wildlife consumption ng striped bass and shark. Major nt ongoing source is erosion and o r quality objective exceedances. I Industrial Point Sources Municipal Point Sources Resource Extraction Atmospheric Deposition Natural Sources Nonpoint Source	source is historic: drainage from aba Elevated sediment	gold mining sedimen ndoned mines; moden level and elevated tis:	nts and local rate to low level sue levels.
			PCBs	ika DCDa Intanim haalth advisam.	High	21669 Acres	2004
			concentration data.	ike PCBs.Interim health advisory j	or jisn; uncertaini	y regaraing water co	uumn
			PCBs (dioxin-like)	Unknown Nonpoint Source	Low	21669 Acres	
			The specific dioxin like compout (169), 2,3,3,4,4-PeCB (105), 2,	ands are 3,4,4,5-TCB (81), 3,3,3,3,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (5,5,5,-HxCB (167), 2,3,3,4,4,5,5-H,	TCB (77), 3,3,4,4, EB (118), 2,3,4,4,5-	5-PeCB (126), 3,3,4,4 -PeCB (123), 2,3,3,4,4	4,5-HxCB (156),
			C-1	Unknown Nonpoint Source	T	21//0 4	
			2	een issued by OEHHA for benthic- t water contact recreation benefic	, 0		*
				Agriculture			
				Domestic Use of Ground Wat	er		
2 R	San Francisquito Creek	20550040	Diazinon		High	12 Miles	2004

Urban Runoff/Storm Sewers

This listing was made by USEPA.

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REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMAT SIZE AFFE		PROPOSED TMDL COMPLETION
		-		Sedimentation/Siltation		Medium	12	Miles	
				Impairment to steelhead habitat.					
					Nonpoint Source				
2	R	San Gregorio Creek	20230014						
				High Coliform Count		Low	11	Miles	
					Nonpoint Source				
				Sedimentation/Siltation		Medium	11	Miles	
				Impairment to steelhead habitat.					
					Nonpoint Source				
2	В	San Leandro Bay (part of SF Bay, Central)	20420040						
				Chlordane		Low	588	Acres	
				This listing was made by USEPA					
				DD#	Nonpoint Source		= 00		
				DDT		Low	588	Acres	
				This listing was made by USEPA					
				DDT (sediment)	Nonpoint Source	Low	588	Acres	
				221 (seament)	Source Unknown	2011	300		
				Diazinon	Source Unknown	Low	588	Acres	
				Diazinon levels cause water colu application in late winter and pu early summer. Chlorpyrifos may	lse from residential land use area	s through riverine as linked to homed	e systems linked owner pesticide	to agric	
					Nonpoint Source				
				Dieldrin		Low	588	Acres	
				This listing was made by USEPA					
					Nonpoint Source		-		
				Dioxin Compounds		Low	588	Acres	
					Atmospheric Deposition				
				Exotic Species	11	Medium		Acres	
				Disrupt natural benthos; change	pollutant availability in food cha Ballast Water	un; disrupt food a	vailability to no	ative spec	cies.
				Furan Compounds		Low	588	Acres	
				The specific compounds are 2,3,7 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-H by USEPA.					
					Atmospheric Deposition				
				Lead (sediment)		Low	588	Acres	
					Source Unknown				

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

REGION TY	/PE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Mercury		High	588 Acres	2003
				for multiple fish species including	nption and wildlife consumption in g striped bass and shark. Major sc ongoing source is erosion and dra	ource is historic:	gold mining sediments	s and local
				1 0 1	Industrial Point Sources			
					Municipal Point Sources			
					Resource Extraction			
					Atmospheric Deposition			
					Natural Sources			
				1	Nonpoint Source		500 A	
				Mercury (sediment)		Low	588 Acres	
					Source Unknown	_		
				PAHs (sediment)		Low	588 Acres	
					Source Unknown			
				Pesticides (sediment)		Low	588 Acres	
					Source Unknown			
				Selenium		Low	588 Acres	
				contributions from oil refineries species may have made food cha	food chain; most sensitive indicate (control program in place) and agi in more susceptible to accumulatio (s); low TMDL priority because In	riculture (carrie on of selenium; h	d downstream by rivers, ealth consumption advi); exotic
					Industrial Point Sources		G 1	
					Agriculture			
					Natural Sources			
					Exotic Species			
				Selenium (sediment)		Low	588 Acres	
					Source Unknown			
				Zinc (sediment)		Low	588 Acres	
					Source Unknown			
2 R	San Le	andro Creek, Lower	20420012					
- 1	Sun De	and Creen, Lower	20120012	Diazinon		High	9.3 Miles	2004
				This listing was made by USEPA		8		
				<u> </u>	Urban Runoff/Storm Sewers			
2 R	. San La	orenzo Creek	20420023					
ž K	. San Lu	DI CHEU CI CCK	20420023	Diazinon		High	11 Miles	2004
				This listing was made by USEPA		111611	11 Miles	2007
				This using was made by OSEI A	Urban Runoff/Storm Sewers			
					C. M. Runolijotorin Sewers			

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMA SIZE AFFI		PROPOSED TMD COMPLETION
2	R	San Mateo Creek	20440032	Diazinon		High	11	Miles	2004
				This listing was made by USEP.					
					Urban Runoff/Storm Sewers				
2	В	San Pablo Bay	20610010						
				Chlordane		Low	68349	Acres	
				This listing was made by USEP.	A.				
					Nonpoint Source				
				DDT		Low	68349	Acres	
				This listing was made by USEP.	<i>A</i> .				
					Nonpoint Source				
				Diazinon		Low	68349	Acres	
				application in late winter and p	umn toxicity. Two patterns: puls ulse from residential land use ard y also be the cause of toxicity; m	eas linked to home	owner pesticide		
					Nonpoint Source				
				Dieldrin		Low	68349	Acres	
				This listing was made by USEP.	<i>A</i> .				
					Nonpoint Source				
				Dioxin Compounds		Low	68349	Acres	
				1 0 1	,7,8-TCDD, 1,2,3,7,8-PeCDD, 1, and OCDD. This listing was ma		1,2,3,6,7,8-Hx	CDD, 1,2	2,3,7,8,9-
					Atmospheric Deposition				
				Exotic Species		Medium	68349	Acres	
				Disrupt natural benthos; chang	e pollutant availability in food ch Ballast Water	ain; disrupt food a	wailability to n	ative spe	cies.
				Furan Compounds		Low	68349	Acres	
				1 0 1	,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,. 3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-F				
					Atmospheric Deposition				
				Mercury		High	68349	Acres	2003
				for multiple fish species includi	umption and wildlife consumption ng striped bass and shark. Majon nt ongoing source is erosion and	source is historic	gold mining	sediment	s and local
					Municipal Point Sources				
					Resource Extraction				
					Atmospheric Deposition				
					Natural Sources				
					Nonpoint Source				

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

REGIO	ON TYPI	E NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				PCBs		High	68349 Acres	2004
				This listing covers non dioxin-li concentration data.	ke PCBs.Interim health advisory	y for fish; uncertain	ty regarding water colu	mn
					Unknown Nonpoint Source			
				PCBs (dioxin-like)		Low	68349 Acres	
				The specific dioxin like compou (169), 2,3,3,4,4-PeCB (105), 2,3,3,4,4,5-HxCB (157), 2,3,4,4	3,4,4,5-PeCB (114), 2,3,4,4,5-Pe	eCB (118), 2,3,4,4,5	-PeCB (123), 2,3,3,4,4,	5-HxCB (156),
					Unknown Nonpoint Source			
				Selenium		Low	68349 Acres	
				Affected use is one branch of the contributions from oil refineries species may have made food che for scaup and scoter (diving due	s (control program in place) and ain more susceptible to accumul	l agriculture (carrie ation of selenium; h	d downstream by rivers nealth consumption advi	; exotic
					Industrial Point Sources			
					Agriculture			
					Natural Sources Exotic Species			
2	R	San Pablo Creek	20660014					
2	K	Sail I abio Cleek	20000014	Diazinon		High	9.9 Miles	2004
				This listing was made by USEP.	4.	ð		
					Urban Runoff/Storm Sewer	·s		
2	L	San Pablo Reservoir	20660012					
				Mercury		Low	784 Acres	
					Atmospheric Deposition			
2	R	San Pedro Creek	20221011					
				High Coliform Count		Low	2.4 Miles	
					Urban Runoff/Storm Sewer Nonpoint Source	rs		
2	R	San Rafael Creek	20320012					
				Diazinon		High	3.6 Miles	2004
				This listing was made by USEP.				
					Urban Runoff/Storm Sewer	s		
2	R	San Vicente Creek	20221012					
				High Coliform Count		Low	3.8 Miles	
					Nonpoint Source			

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

								DRAFT
REGION	ТҮРЕ	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	Saratoga Creek	20550040					
		Ü		Diazinon		High	18 Miles	2004
				This listing was made by USEPA		, and the second		
					Urban Runoff/Storm Sewers			
2	R	Sonoma Creek	20640050					
				Nutrients		Medium	30 Miles	
				TMDL will be developed as part needed.	of ongoing watershed managemen	nt effort. Additio	nal monitoring and ass	essment
					Agriculture			
					Construction/Land Developme	ent		
					Land Development			
					Urban Runoff/Storm Sewers			
				Pathogens		Low	30 Miles	
				TMDL will be developed as part needed.	of ongoing watershed managemen	ıt effort. Additio	nal monitoring and ass	essment
					Agriculture			
					Construction/Land Developme	ent		
					Land Development			
					Urban Runoff/Storm Sewers			
				Sedimentation/Siltation		Medium	30 Miles	
				TMDL will be developed as part needed.	of ongoing watershed managemen	nt effort. Additio	nal monitoring and ass	essment
					Agriculture			
					Construction/Land Developme	ent		
					Land Development			
					Urban Runoff/Storm Sewers			
2	R	Stevens Creek	20550020					
				Diazinon		High	20 Miles	2004
				This listing was made by USEPA	.			
					Urban Runoff/Storm Sewers			
2	В	Suisun Bay	20710020					
		·		Chlordane		Low	27498 Acres	
				This listing was made by USEPA				
				•	Nonpoint Source			
				DDT		Low	27498 Acres	
				This listing was made by USEPA				
					Nonpoint Source			

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REGION TYPE NAME

CALWATER POTENTIAL TMDL ESTIMATED PROPOSED TMDL SOURCES PRIORITY SIZE AFFECTED COMPLETION

Diazinon Low 27498 Acres

Diazinon levels cause water column toxicity. Two patterns: pulses through riverine systems linked to agricultural application in late winter and pulse from residential land use areas linked to homeowner pesticide use in late spring, early summer. Chlorpyrifos may also be the cause of toxicity; more data needed, however.

Nonpoint Source

Dieldrin Low 27498 Acres

This listing was made by USEPA.

Nonpoint Source

Dioxin Compounds Low 27498 Acres

The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.

Atmospheric Deposition

Exotic Species Medium 27498 Acres

Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.

Ballast Water

Furan Compounds Low 27498 Acres

The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.

Atmospheric Deposition

Mercury High 27498 Acres 2003

Current data indicate fish consumption and wildlife consumption impacted uses. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.

Industrial Point Sources Resource Extraction Atmospheric Deposition

Natural Sources
Nonpoint Source

PCBs High 27498 Acres 2004

This listing covers non-dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.

Unknown point source

PCBs (dioxin-like) Low 27498 Acres

The specific dioxin-like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.

Unknown Nonpoint Source

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

REGION TY	YPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Selenium		Low	27498 Acres	
				contributions from oil refinerie species may have made food ch	ne food chain; most sensitive indicts (control program in place) and nain more susceptible to accumulately; (low TMDL priority because Industrial Point Sources Natural Sources Exotic Species	agriculture (carrie ation of selenium; l	ed downstream by river nealth consumption adv	s); exotic
2 T	Γ S i	uisun Marsh Wetlands	20723000					
				Metals		Low	66339 Acres	
				Additional monitoring and asse	essment needed.			
				9	Agriculture			
					Urban Runoff/Storm Sewers	s		
					Flow Regulation/Modification	on		
				Nutrients		Low	66339 Acres	
				Additional monitoring and asse	essment needed.			
					Agriculture			
					Urban Runoff/Storm Sewers	5		
					Flow Regulation/Modification			
				Organic Enrichment/Low Diss	• •	Low	66339 Acres	
				Additional monitoring and asse				
					Agriculture			
					Urban Runoff/Storm Sewers			
				Salinity/TDS/Chlorides	Flow Regulation/Modification	on Low	66339 Acres	
				Additional monitoring and asse	occur out u oo do d	LOW	00559 Acres	
				Additional monitoring and asse	Agriculture			
					Urban Runoff/Storm Sewers	S		
					Flow Regulation/Modification			
2 E	7 C :	uisun Slough	20723000		<u> </u>			
- L		uisun sivugn	20/25000	Diazinon		High	1124 Acres	2004
				This listing was made by USEF	PA.		2223 2307 03	
					Urban Runoff/Storm Sewers	8		
2 B	} Т	omales Bay	20114033					
- 2	•	· ·· ·· =,	2011.000	Mercury		Medium	8545 Acres	
				Current data indicate fish cons for multiple fish species include	umption and wildlife consumption ing striped bass and shark. Majo unt ongoing source is erosion and	n impacted uses: h r source is historic	ealth consumption adv gold mining sedimen	ts and local
				1 / 1	Mine Tailings			

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR*	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION	
			Nutrients		Medium	8545 Acres		
			TMDL will be developed as part of ongoing watershed management effort. Tributary streams, Lagunitas Creek and Walker Creek, must be managed first. Additional monitoring and assessment needed.					
			Pathogens	Agriculture	High	8545 Acres	2004	
			TMDL will be developed as par Walker Creek, must be manage		igement effort. Tributa	ry streams, Lagunitas (
			Intensive Animal Feeding Operations Septage Disposal					
			Sedimentation/Siltation		Medium	8545 Acres		
			TMDL will be developed as par Walker Creek, must be manage				Creek and	
				Upstream Impoundment				
2 R	Walker Creek	20112013						
			Mercury Tributary to Tomales Bay. TM. monitoring and assessment nee	1 1	Medium t of evolving watershed	16 Miles management effort. A	dditional	
			C	Surface Mining				
				Mine Tailings				
			Nutrients		Medium	16 Miles		
			Tributary to Tomales Bay. TM. monitoring and assessment nee		t of evolving watershed	management effort. A	dditional	
				Agriculture				
			Sedimentation/Siltation		Medium	16 Miles		
			Tributary to Tomales Bay. TM. monitoring and assessment nee	ded.	t of evolving watershed	management effort. A	dditional	
				Agriculture				
2 R	Walnut Creek	20731040						
			Diazinon		High	9 Miles	2004	
			This listing was made by USEP					
				Urban Runoff/Storm Sev	vers			
2 R	Wildcat Creek	20660013						
			Diazinon		High	12 Miles	2004	
			This listing was made by USEP					
				Urban Runoff/Storm Sev	vers			

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		CALWATER	POTENTIAL	TMDL	ESTIMATED	PROPOSED TMDL
REGION TYPE	NAME	WATERSHED POLLUTANT/STRESSOR*	SOURCES	PRIORITY	SIZE AFFECTED	COMPLETION

ABBREVIATIONS

REGIONAL WATER QUALITY CONTROL BOARDS

- North Coast 2
- San Francisco Bay
- **Central Coast**
- Los Angeles
- 5 Central Valley
- Lahontan
- Colorado River Basin
- Santa Ana
- San Diego

WATER BODY TYPE

- B = Bays and Harbors
- Coastal Shorelines/Beaches
- **Estuaries**
- Lakes/Reserviors Rivers and Streams Saline Lakes
- Wetlands, Tidal
- Wetlands, Freshwater

CALWATER WATERSHED

GROUP A PESTICIDES OR CHEM A

aldrin, dieldrin, chlordane, endrin, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

[&]quot;Calwater Watershed" is the State Water Resources Control Board hydrological subunit area or an even smaller area delineation.